		.TH AND HUMAN SERVICE G ADMINISTRATION	ES	
DISTRICT ADDRESS AND PHON		DATE(S) OF INSI	PECTION 019-4/26/2019*	
Minneapolis,		FEI NUMBER		
	Fax: (612)334-4134	3015212	2514	
NAME AND TITLE OF INDIVIDUA			· · · · · · · · · · · · · · · · · · ·	
FIRM NAME	Clinical Investigator	STREET ADDRESS		
PIROX NAME		1 .	Medical Center	. Dept Of
1		Hennepin County Medical Center, Dept ( Emergency Medicine, 701 Park Ave		
Minneanolis		TYPE ESTABLISHMENT INSPECTED	72±02	
MINNEAPOILS,	MN 55415-1623	Sponsor-Investigator		
observations, and do observation, or have is action with the FDA	bservations made by the FDA representative(s not represent a final Agency determination reg mplemented, or plan to implement, corrective representative(s) during the inspection or subn tact FDA at the phone number and address abo	arding your compliance. If y action in response to an obsuit this information to FDA a	ou have an objection regervation, you may discus	garding an s the objection or
<b>OBSERVATION 1</b>	TION OF YOUR FIRM I OBSERVED:	o conducting a clinical i	nvestigation with ar	ı investigational
	ies applications to the FDA and do not ed by the local Institutional Review B	appear to meet the I	ithout submission of ND exemption crit	
- •	nformed consent was not obtained fr nd the situation did not meet the crit			rized
consent from the	ects were enrolled in studies subjects or their legally authorized aformed consent, though the studies w		study appeared to	aining informed meet criteria for
OBSERVATION 3 An investigation	was not conducted in accordance wit	n the investigational pla	an.	
Specifically,				
Institutional I Attachment E	erse Events (SAE) were not reported in Review Board (IRB) written procedur EEE requires all serious adverse events reported within five working days of	es and IRB study appro s related to the study tre	val letters. ÎRB writ eatment (or more lik	ten procedure
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Kellie I Thommes, Investiga	tor	Kalle I. Thorrntes investigator Spendig Calle I. Thorrnes - S Date Spried: 04-25-2019 13:32:21	DATE ISSUED 4/26/2019
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	DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT ADDRESS AND PHON		DATE(S) OF INSE	PECTION 019-4/26/2019*		
Minneapolis,	, MN 55401		71072013 472072013 FEI NUMBER 3015212514		
(612)334-4100	Fax: (612)334-4134	0010112	.011		
NAME AND TITLE OF INDIVIDUA		<b>_</b>			
FIRM NAME	Clinical Investigator	STREET ADDRESS			
CITY, STATE, ZIP CODE, COUNT	Hennepin County Medical Center, Dept Of Emergency Medicine, 701 Park Ave				
		TYPE ESTABLISHMENT INSPECTED  5-1623 Sponsor-Investigator			
1. For study  1. A. Subject 12 was enrolled in the study on October 17, 2014 and died in hospital on November 12, 2014: this death was not reported to the IRB as required by IRB written procedure Attachment EE, which requires the reporting of any untoward medical occurrence that results in death within 30 days if the event is not thought to be related to the study treatment. In the May 8, 2015 Annual Reapproval Continuing Review Report, SAEs are reported via an attached published manuscript. Other adverse events (hypersalivation, emergence reaction, vomiting, dystonia, laryngospasm, akathisia) were reported only via the manuscript.  1. For study  2. Subjects were endotracheally intubated and placed on respirators following administration of the study drugs (subjects 12, 44, 66, 69, 71,74, 76, 80, 82, 83, 86, 88, 90, 93, 96, 98, 100, 101, 102, 107, 109, 114, 116, 120, 127, 137, 142, 143, and 144). No adverse events were listed on the Adverse Event log signed by  Nineteen of these events were reported in summary fashion in an email from to the IRB on June 1, 2015 as "the intubation rate for patients in the ketamine arm is significantly higher"; this summary noted that 19 (44%) of the 43 subjects who received ketamine required intubation, and two (3%) of 64 subjects who received haloperidol required intubation. After this date, an additional 40 subjects were enrolled, and subsequent intubation events were reported only in a published manuscript on April 22, 2016. The Annual Re-approval Continuing Review Report submitted by which stated that 39% of the ketamine subjects had required intubation (reflecting the additional six ketamine and one haloperidol subjects intubated).  2. For study  3. The first subject was enrolled on August 5, 2017, and the first intubation occurred August 14, 2017. The 51 ketamine and 10 midazolam subject intubation events were reported only in a submitted by the first subjects intubated).					
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE  Kellie L Thommes, Investiga	itor	Kelle L Thormes Investigator Signed By Kelle L Thormes -S Date Stgned: 04-28-2019 13:02-31 X	DATE ISSUED 4/26/2019	
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DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
Minneapolis,	Ave, Ste. 600	4 / FEII	TE(S) OF INSPECTION /10/2019-4/26/2019* NUMBER 015212514	
NAME AND TITLE OF INDIVIDUAL	TOWHOM REPORT ISSUED  Clinical Investigator			
FIRM NAME		Emergency M	ounty Medical Center, Medicine, 701 Park Ave	
Minneapolis,	mn 55415-1623	Sponsor-Inv		
by to the IRB; this document also states there were no SAEs. No adverse events are documented on the Adverse Event log signed by on April 27, 2018.  b. All study activities required by the study plans were not done as follows:  1. For study of the 22 files I reviewed, I found that:  A. Research volunteers who collected study data did not have documented study training for subjects 6, 9, 11, 12, 14, 19, 20, 24, 31, 34, 69, 70, 72, 75, and 76.  B. Source records did not indicate the presence or absence of a Legally Authorized Representative (LAR) as required by the study plan. Data collection forms for Subjects 9, 20, 21, 34, 72, and 76 did not contain this information.  C. A stopwatch was not used to accurately capture the primary endpoint of time to sedation for Subjects 11, 16, 34, 66, and 75.  D. Subjects 9, 10, 66, and 71 did not have documentation that they received the study information sheet informing them of their participation in the study when required.  E. Documentation of vital signs on the study data collection form for Subjects 34 and 74 was not started until about one hour after study drug administration. The study plan requires documentation every five minutes until adequate sedation is achieved, and then every 30 minutes.  2. For study in my review of 35 randomly selected subject files, I found:  A. Paramedics without documented training on the study plan performed eligibility and enrollment determinations, as well as administration of the study drugs, for 30 of these study subjects.				9, 20, ras not
SEE REVERSE OF THIS PAGE	EMPLOYEE(S) SIGNATURE Kellie L Thommes, Investiga	tor		DATE ISSUED 4/26/2019

INSPECTIONAL OBSERVATIONS

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PREVIOUS EDITION OBSOLETE

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DISTRICT ADDRESS AND PHON	E NUMBER	DATE(S	OF INSPECTION	
	te Ave, Ste. 600		4/10/2019-4/26/2019*	
	neapolis, MN 55401 2)334-4100 Fax:(612)334-4134		5212514	
NAME AND TITLE OF INDIVIDUA				
FIRM NAME	Clinical Investigator	STREET ADDRESS		
THUM PARAME			nty Madical Contor	Dent Of
	Hennepin County Medical Center, Dept Of Emergency Medicine, 701 Park Ave			
CITY, STATE, ZIP CODE, COUNT	TYPE ESTABLISHMENT INSPECTED			
Minneapolis,	MN 55415-1623	Sponsor-Inve	stigator	
c. Deviations list	cts 1, 80, 124, 200,201, 204, 316, and 3 yed the study information sheet informinated time.  data collection forms were completed training for Subjects 5, 78, 200, 201, 20 yed in the paragraphs above were not rest as required by the IRB written procestion in which there is only minimal risl	by research volum 4, 207, 316, 317, ported in the Annidure Attachment	earticipation in the study teers with no record of s and 320.  ual Re-approval Continu EEE, which requires any	at the tudy
Annual Re-apsubmitted by	proval Continuing Review Report. No to the IRB for either study			
OBSERVATION 4				
Failure to ensure	proper monitoring of the study.			
0 10 11		•,		
Specifically, the	sponsor did not ensure appropriate n	onitoring was pe	ertormed of studies	
OBSERVATION 5				
	rug disposition records are not adequa	te with respect to	dates, quantity and use	by subjects
Tonownoniai di			quarterly and asc	,
Specifically, no	clinical investigator-required investiga	tional drug use a	nd disposition records v	were maintained
for studies		<b>9</b> 112 <b>9</b>	<u>.</u>	
OBSERVATION 6				
Not all changes in	n research activity were approved by a	n Institutional Rev	iew Board prior to impl	ementation.
				<u>,</u>
OPP DEVENO	EMPLOYEE(S) SIGNATURE		1	DATE ISSUED
SEE REVERSE OF THIS PAGE	Kellie L Thommes, Investigat	.or	Kellie L. Thommes	4/26/2019
OF THIS PAGE			Investigator Signed By: Kelfe L. Thommes -S Date Signed: 04-28-2019 13:02-31	
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DEPARTMENT OF HEALTH AND HUMAN SERVICES				
DISTRICT ADDRESS AND PHONE		G ADMINISTRATION DATE(S	S) OF INSPECTION	
	e Ave, Ste. 600	4/1	10/2019-4/26/2019*	
Minneapolis,	MN 55401 ) Fax:(612)334-4134		I 5212514	
   (pTS 224_4TOO	FdX: (012)334-4134			
NAME AND TITLE OF INDIVIDUAL				
	Clinical Investigator			
FIRM NAME	STREET ADDRESS			Dont Of
	Hennepin County Medical Center, Dept Of Emergency Medicine, 701 Park Ave			
CITY, STATE, ZIP CODE, COUNT				
Minneapolis,	MN 55415-1623	Sponsor-Investigator		
	y was suspended and study r			
	Life Support protocols during the app			the 2018 Super
Bowl that was hel	ld in Minneapolis, MN, without approv	/al from the IRB p	prior to implementation.	
*DATES OF INSER				<del></del>
*DATES OF INSPE		- /2040/84am\	17/2010/W-4\ A/10/2010	\/T\\
	, 4/11/2019(Thu), 4/12/2019(Fri), 4/15	,/2019(Nion), 4/1	.//2019(Wea), 4/18/2019	(Inu),
4/19/201 <del>9</del> (Fri), 4,	/22/2019(Mon), 4/26/2019(Fri)			•
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OF THIS PAGE			Kellie L. Thommas Investigator Signed Byr, Kellie L. Thommas -S Date Signed: 04-26-2019 13:02:31	
•			Date Signed: 04-26-2019 13:02:31 X	
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The observations of objectionable conditions and practices listed on the front of this form are reported:

- 1. Pursuant to Section 704(b) of the Federal Food, Drug and Cosmetic Act, or
- 2. To assist firms inspected in complying with the Acts and regulations enforced by the Food and Drug Administration.

Section 704(b) of the Federal Food, Drug, and Cosmetic Act (21 USC 374(b)) provides:

"Upon completion of any such inspection of a factory, warehouse, consulting laboratory, or other establishment, and prior to leaving the premises, the officer or employee making the inspection shall give to the owner, operator, or agent in charge a report in writing setting forth any conditions or practices observed by him which, in his judgment, indicate that any food, drug, device, or cosmetic in such establishment (1) consists in whole or in part of any filthy, putrid, or decomposed substance, or (2) has been prepared, packed, or held under insanitary conditions whereby it may have become contaminated with filth, or whereby it may have been rendered injurious to health. A copy of such report shall be sent promptly to the Secretary."